



PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, dealers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

SUBJECT

Recall Campaign 03V-197: Brake Line Clearance

MODEL

E53 X5

SITUATION

The potential defect involves the clearance between the universal joint of the steering shaft and the brake line. In very rare occasions, it is possible that the universal joint of the steering shaft may come in contact with the brake line. Consequently, the brake line would be subject to damage and corrosion at the contact point.

AFFECTED VEHICLES

This Recall Campaign involves X5 vehicles which were produced from March 28, 2003 through April 1, 2003.

In order to determine if a specific vehicle is affected by this Recall Campaign, it will be necessary to utilize the "Service Menu" of the DCS (Dealer Communication System). Based on the response of the system, either proceed with the corrective action or take no further action.

The Chassis Number Ranges listed below are only for informational purposes and are not to be considered as the only deciding factor.

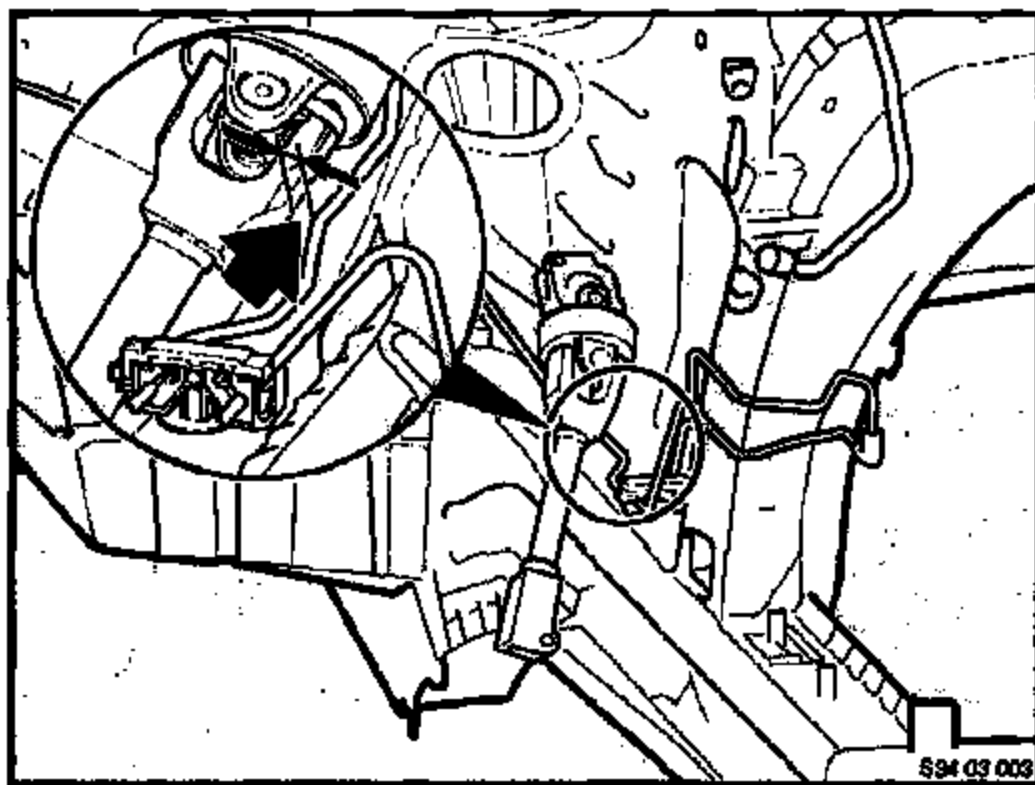
Model	Chassis Number Range
X5 4.4i	LH45735 – LH45882
X5 3.0i	LH81060 – LH81072
X5 3.0iA	LV89415 – LV89834
X5 4.6is	LN80453 – LN80460

PROCEDURE

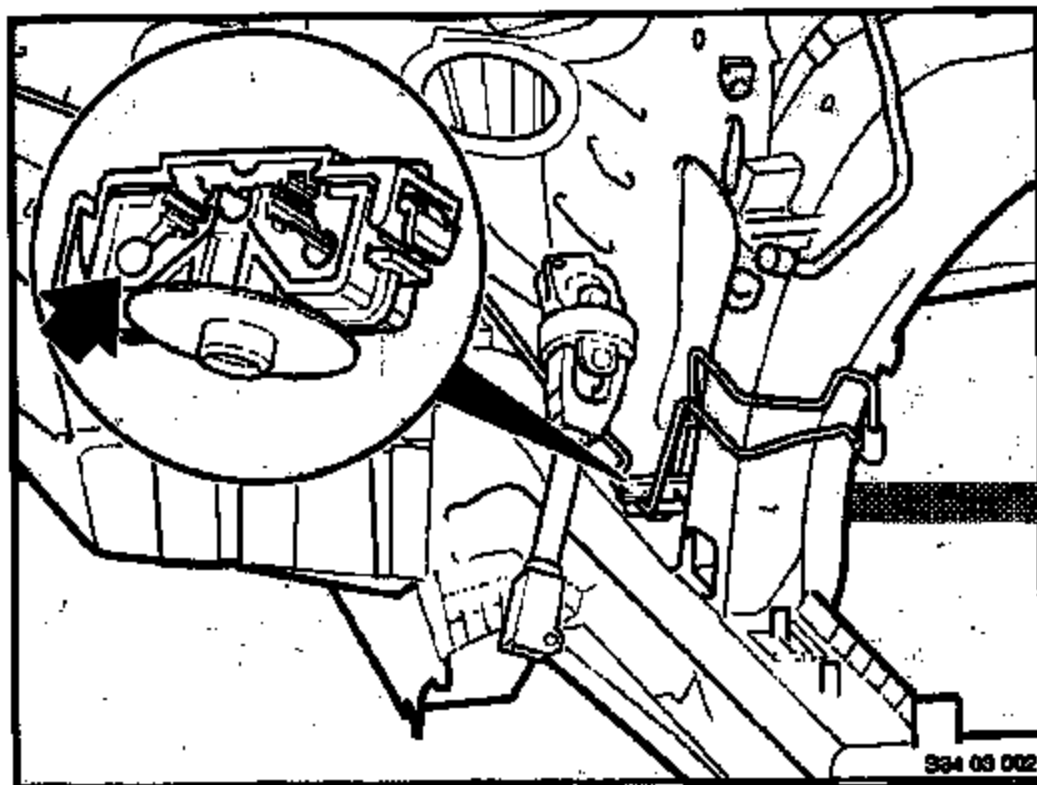
Turn the steering wheel until the gap between the universal joint of the steering shaft and the brake line is at the minimum clearance (the steering wheel should be approximately 45 degrees to the left of center). Access the area to be inspected from the engine compartment.

Using a 5 mm drill bit, check the clearance between the steering shaft and brake line at the point indicated by the large black arrow in the illustration shown below. (Note: only the affected components are shown in the illustration.) If the gap is greater than 5mm, no further action is necessary. If the gap is less than 5mm, the brake line must be repositioned.

Use special tool 11 5 050 or a suitable lever to adjust the brake line clearance. The special tool should be used as a lever with the rubber handle in contact with the brake line and the steering shaft as the support point. Special care should be taken to ensure that the anti-corrosion coating of the brake line is not damaged.



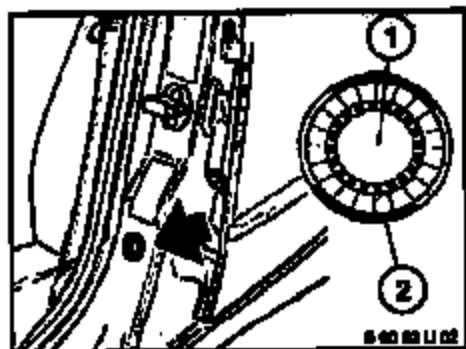
After the brake line has been properly adjusted, inspect the retaining clip to ensure proper position of the brake line. The brake line should be seated in the lowest point of the retaining clip as shown in the illustration below.



PARTS INFORMATION

No parts are required.

LABEL INSTRUCTIONS



This Recall Campaign has been assigned code number 365. After the vehicle has been checked, and corrected if necessary, obtain a label (SD 92-215) and:

- emboss your BMW dealer warranty number in the middle of the label (1);
- punch out code number 365 printed on the label and,
- affix the label to the B pillar as shown.

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the old one. Do not affix one label on top of another one because a number from an underlying label could appear in the punched-out hole of the new label.

WARRANTY INFORMATION

Reimbursement for this Recall will be via Campaign Entry.

Defect Code

00 34 45 01 00

Work Package #1:

Check the position of the brake line
and correct as necessary prior to

customer delivery.

Labor Operation: 00 54 685

Labor Allowance: 3 FRU

Parts Allowance: No parts required

Work Package #2: Check the position of the brake line
and correct as necessary after
customer delivery.

Labor Operation: 00 54 117

Labor Allowance: 5 FRU

Parts Allowance: No parts required

ATTACHMENTS

view PDF attachment **E345103Letter.**

view PDF attachment **E345103TREAD.**

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June 2003

Recall Campaign No. 03V-197: Front Brake Line

Dear BMW Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

BMW AG has decided that a defect which relates to motor vehicle safety exists in certain 2003 Model Year BMW X5 Sports Activity Vehicles (SAV). Our records indicate that you are the owner of a potentially affected vehicle.

DESCRIPTION OF DEFECT

The defect involves the front brake line. In very rare occasions, it is possible that the distance between the brake line and the cardan joint of the steering shaft is not sufficient. The brake line may come into contact with the joint and eventually suffer damage and corrosion. Ultimately, a loss of brake fluid, indicated by a warning light in the instrument panel, may occur. This will be accompanied by a reduction in front brake performance. However, the rear brake circuit will not be affected.

Your vehicle may still be driven; however, for the safety of the driver and any passengers, do not leave this problem unattended. A loss of front brake force may occur. Depending on traffic conditions and the driver's reactions, this could lead to a crash.

PRECAUTIONS

- 1. CONTACT YOUR AUTHORIZED BMW SAV CENTER IMMEDIATELY TO HAVE THE NECESSARY REPAIR PERFORMED AS SOON AS POSSIBLE.**
- 2. If the brake warning light is activated, or a loss of front brake performance is noticed, pull off the road as soon as possible to a safe location away from traffic. Do not continue to drive your vehicle. Contact BMW Roadside Assistance at 1-800-332-4269 immediately to have your vehicle brought to the nearest BMW SAV center.**
- 3. If you are not the only driver of this vehicle, please advise all other drivers of this important information.**

Company
BMW of North America, LLC

BMW Group Company

Address
BMW Place
Mortlake, NJ
07945-1908

DESCRIPTION OF REPAIR

The repair will consist of inspecting the distance between the brake line and the cardan joint of the steering shaft, and if necessary, increasing the distance.

The repair will require approximately 15 minutes. This work will be performed *free of charge* by your Authorized BMW SAV center. Additional time may be required depending on the BMW SAV center's scheduling and processing.

OTHER INFORMATION

If you are no longer the owner of this vehicle, we would appreciate you furnishing us with the name and address of the new owner, using the enclosed postage-paid card.

If you are a lessor of this vehicle, Federal Regulations require you to forward this notice to your lessee.

If you have already had this repair performed at your own expense, please see the attachment regarding possible eligibility for reimbursement.

Should you have any questions about this campaign, please contact your Authorized BMW SAV center.

We appreciate your confidence in our product, and we wish to do everything we can to retain your confidence. Should you need additional assistance, you may contact BMW Customer Relations at 1-800-831-1117.

If the BMW SAV center is unable to remedy the defect without charge or within a reasonable period of time, you may notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh St., S.W., Washington, DC 20590, or call the toll-free Auto Safety Hotline at 1-888-327-4236.

BMW OF NORTH AMERICA, LLC

**TREAD ACT CUSTOMER REIMBURSEMENT PLAN
(BMW of North America, LLC)**

If you have paid for the repair described in the attached letter, and you would like to be considered for reimbursement, please contact your authorized BMW center. Expenses from repair facilities outside of the BMW center network will be considered; however, the procedure must meet BMW standards and use BMW Genuine Parts.

Your authorized BMW center will request a copy of your owner notification letter, as well as, a copy of your previously paid invoice, and then inspect the vehicle (if it is still in your possession) prior to submitting a claim on your behalf to BMW of North America, LLC for reimbursement.

Please note the following:

- Only a repair that is the subject of this safety recall is reimbursable. Consequential expenses such as towing, rental, accommodations, damage repairs, etc will not be reimbursed.
- When BMW Genuine Parts are used, the Manufacturers Suggested Retail Price (MSRP) will be considered as the guideline for reasonable charges.
- Expenses for repairs performed more than 10 days after the date of the last owner notification letter sent by BMW are not eligible for reimbursement.
- Taxes and hazardous waste disposal, where previously paid, are eligible for reimbursement.
- BMW will not reimburse for prior repairs that did not utilize BMW Genuine Parts.

We anticipate that your authorized BMW center will be able to answer any questions that you may have regarding your qualifications for reimbursement of a previous repair. If you qualify for such a reimbursement, they will also be able to advise you of the manner in which you could receive reimbursement.

We recommend that your authorized BMW center be your primary contact on this issue; however, our Customer Relations Department may be contacted at 1-800-831-1117 for any special assistance that you may require.

Alternatively, you may submit your request for reimbursement to the following address:

Customer Relations Department
BMW of North America, LLC
P.O. Box 1227
Westwood, NJ 07675-1227